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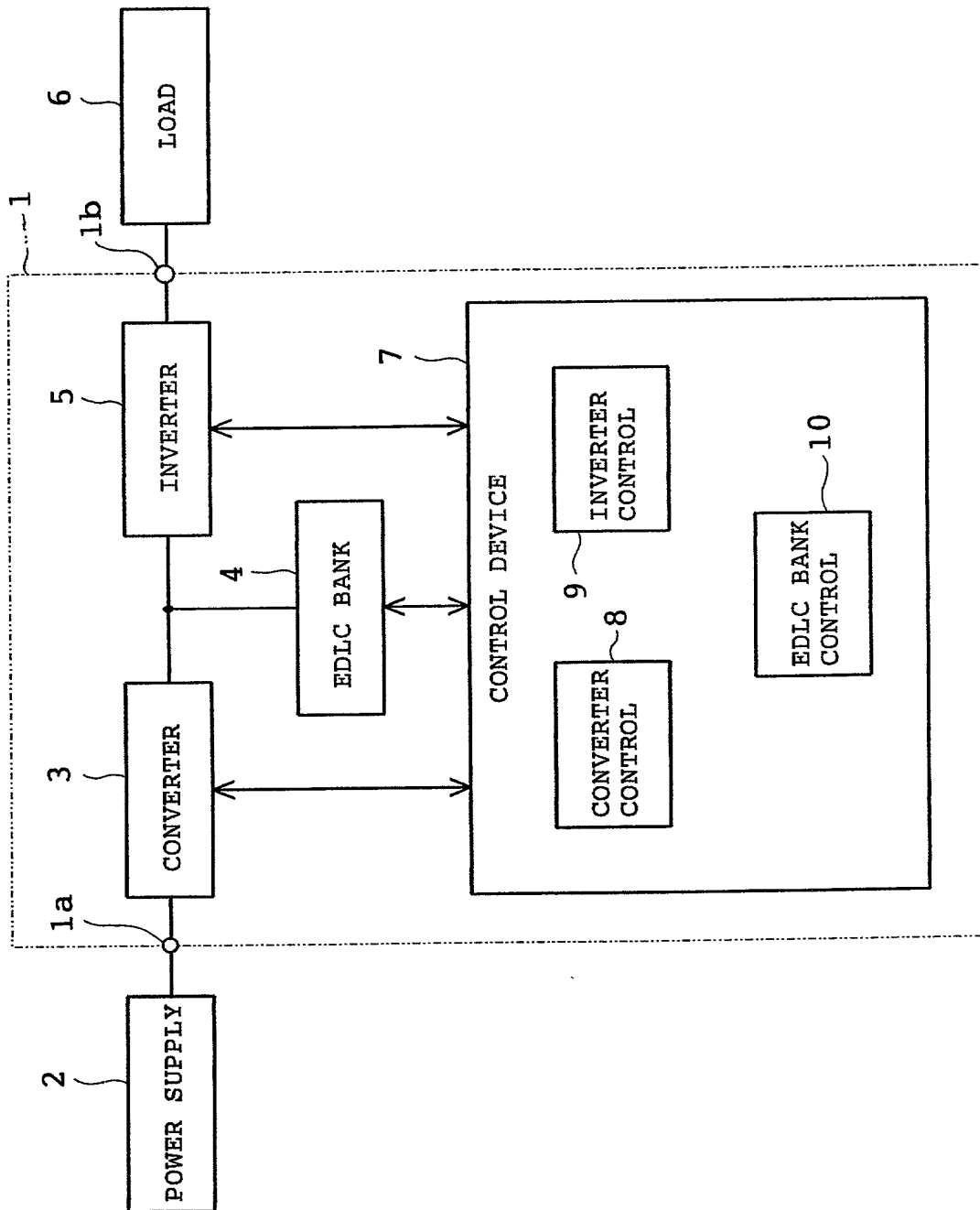


FIG. 1

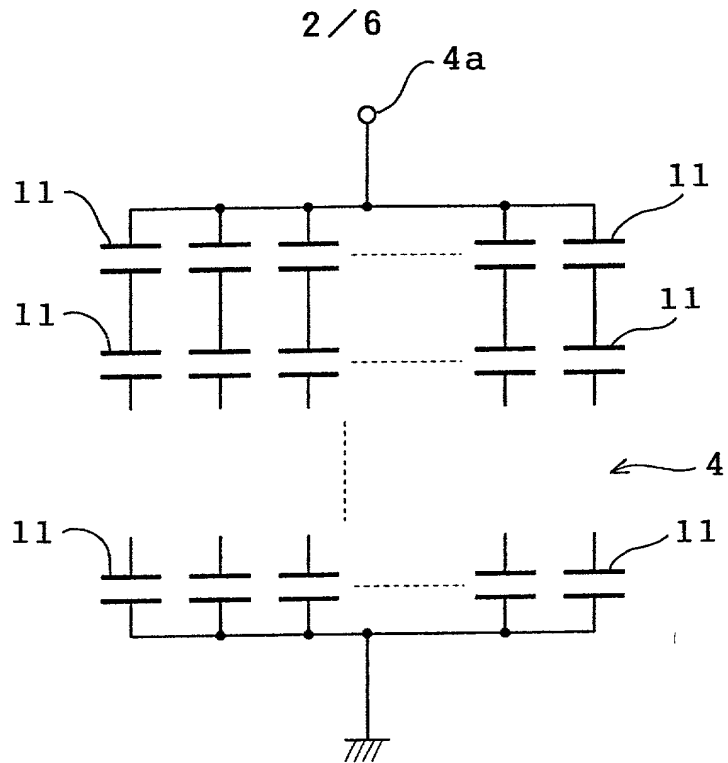


FIG. 2

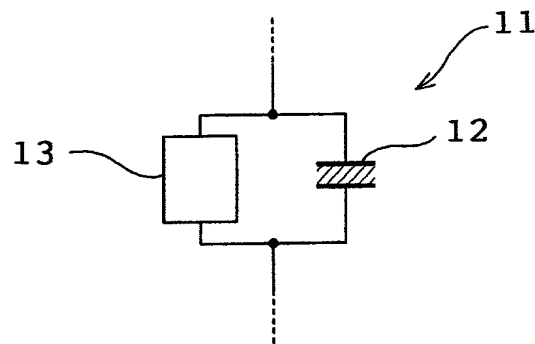


FIG. 3

Title: POWER CONTROL DEVICE WITH
ELECTRIC DOUBLE LAYER CAPACITOR
UNIT CELLS

Inventor(s): Tokihiro UMEMURA et al.

DOCKET NO.: 017499-0171

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PERFORMANCE	EDLC BANK	LEAD-ACID STORAGE BATTERY	ALUMINUM SOLID ELECTROLYTIC CAPACITOR
ENERGY DENSITY	0.2~10Wh/kg	10~40Wh/kg	< 0.1Wh/kg
OUTPUT DENSITY	100W/kg~5000W/kg	50W/kg~130W/kg	10KW/kg~100KW/kg
CHARGING TIME	0.1~100 MIN.	1~10 HOURS	< 1 MSEC.
DISCHARGING TIME	0.1~100 MIN.	0.3~3 HOURS	< 1 MSEC.
CHARGING EFFICIENCY	>95%	70%~85%	>95%
INTERNAL RESISTANCE	SEVERAL mΩ	SEVERAL TENS mΩ	E S R: 10~100 mΩ
CYCLE LIFE	>10000	200~1000	>100000

FIG. 4

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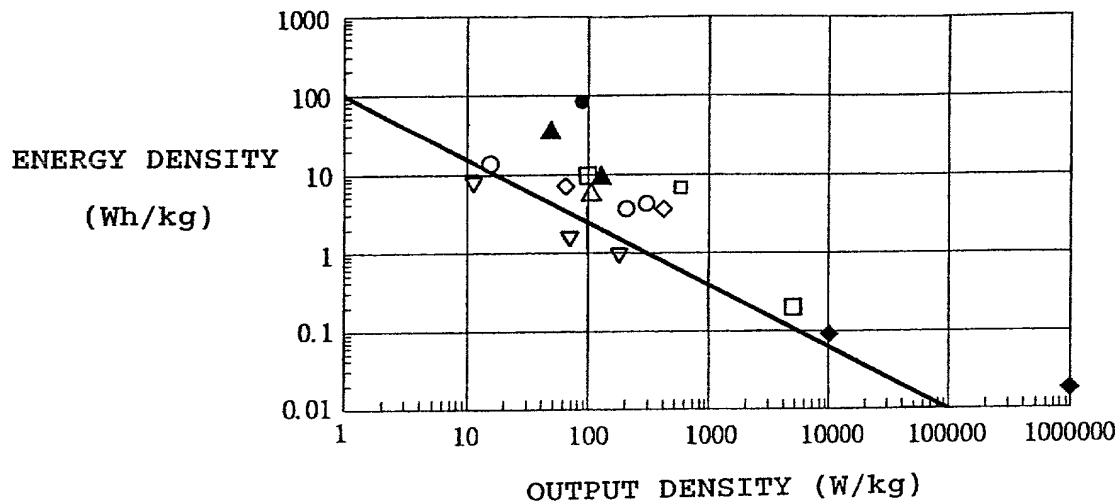


FIG. 5

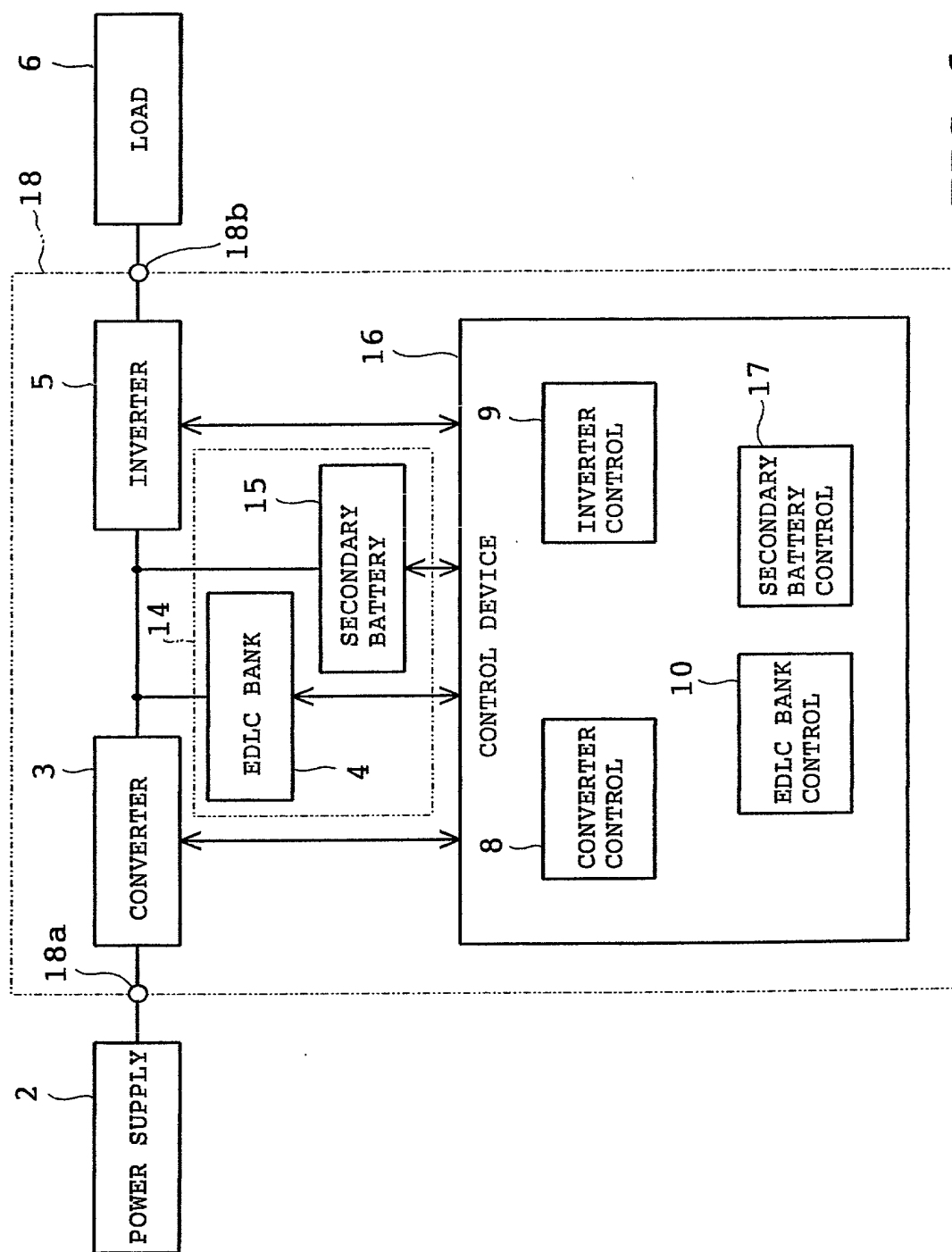


FIG. 6

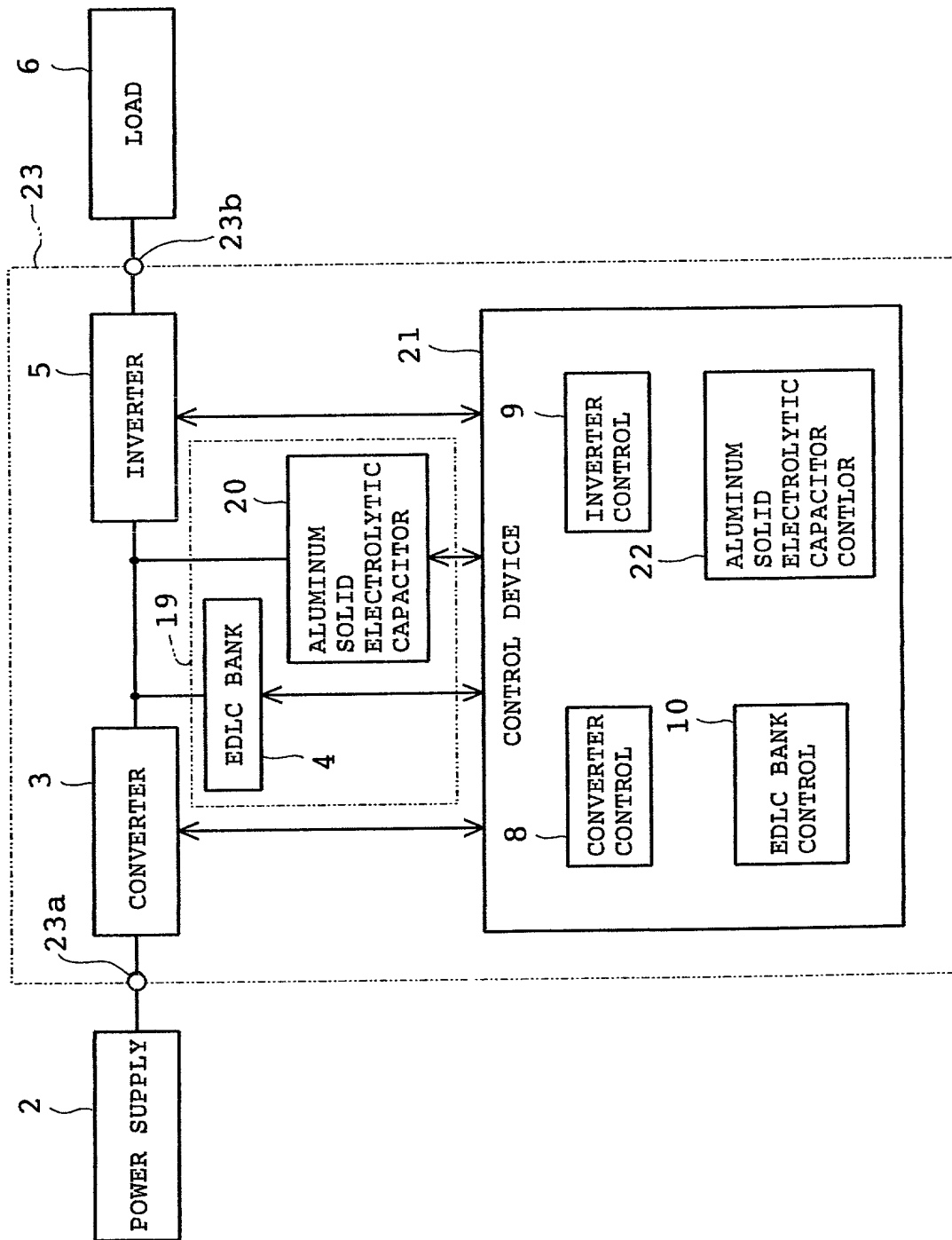


FIG. 7